



CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

520262

Client: Welcome North Mines Ltd., (N.P.L.)
1927 - 470 Granville St.,
Vancouver, B.C.
V5C 1V5

CERT. # : A8010392-001-A
INVOICE # : 38777
DATE : 15-SEP-80

SEP 22 1980

P. Anderson
ANDERSON 92I/8W

Sample description	Au -(1A) ppb			
69001	20	--	--	--
69002	10	--	--	--
69003	<10	--	--	--
69004	10	--	--	--
69005	20	--	--	--
69006	40	--	--	--
69007	20	--	--	--
69008	20	--	--	--
69009	20	--	--	--
69010	<10	--	--	--
69011	<10	--	--	--
69012	<10	--	--	--
69013	10	--	--	--
69014	20	--	--	--
69015	<10	--	--	--
69016	10	--	--	--
69017	40	--	--	--
69018	20	--	--	--
69019	<10	--	--	--
69020	<10	--	--	--
69021	<10	--	--	--
69022	10	--	--	--
69023	<10	--	--	--
69024	<10	--	--	--
69026	<10	--	--	--
69027	<10	--	--	--
69028	<10	--	--	--
69029	<10	--	--	--
69030	10	--	--	--
69031	<10	--	--	--
69032	10	--	--	--
69033	<10	--	--	--
69034	10	--	--	--
69035	<10	--	--	--
69036	<10	--	--	--
69037	<10	--	--	--
69038	<10	--	--	--
69039	<10	--	--	--



Certified by *Hart Biddle*



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: **Esperanza Explorations Ltd.,**
 1027 - 470 Granville St.,
 Vancouver, B.C.
 V6C 1V5

ATTN: **Robert Holland** CC. Kamloops, B.C.

CERTIFICATE NO. **53454**

INVOICE NO. **36336**

RECEIVED **June 10/80**

ANALYSED **June 19/80**

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
0+00N 5+25W	132	4	26	0.1
5+50	148	2	28	0.1
5+75	210	2	26	0.1
6+00	194	1	22	0.1
6+25	190	1	30	0.2
6+50	245	1	24	0.1
6+75	375	2	28	0.1
0+00N 7+00W	255	1	32	0.1
1+50S 5+25W	72	1	52	0.1
5+50	220	1	60	0.1
5+75	590	1	38	0.1
6+00	176	1	40	0.1
6+25	106	1	30	0.1
6+50	390	1	22	0.1
6+75W	210	1	36	0.1
1+50S 7+00W	295	1	26	0.2
3+00N 5+25W	250	1	24	0.1
5+50	144	1	30	0.1
5+75	270	1	32	0.1
6+00	545	1	20	0.1
6+25	340	1	30	0.1
6+50	295	1	58	0.1
6+75	400	1	58	0.1
3+00N 7+00W	790	1	56	0.2
3+00S 0+25E	76	4	90	0.1
3+00S 0+45E	82	6	82	0.2
L4+50N 3+00E	52	2	70	0.1
3+25	26	2	60	0.1
3+50	38	1	94	0.1
3+75	30	2	68	0.1
4+00	24	1	80	0.1
4+25	30	2	86	0.1
4+50	22	2	40	0.1
4+75	16	1	38	0.1
L4+50N 5+00E	24	1	76	0.1
4+50N 4+25W	156	1	60	0.1
5+30	152	1	40	0.1
5+50	425	1	54	0.1
5+75	635	1	48	0.1
6+00	24	1	46	0.1
4+50N 6+25W	64	1	38	0.2

W. J. ...
 ...
 ...



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: Hart Biddle



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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 53455

TO: Esperanza Explorations Ltd.,
 1027 - 470 Granville St.,
 Vancouver, B.C.
 V6C 1V5

INVOICE NO. 36336

RECEIVED June 10/80

ATTN: Robert Holland

CC. Kamloops, B.C.

ANALYSED June 19/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
4+50N 6+50W	605	4	88	0.1
6+75	330	1	62	0.1
4+50N 7+00W	138	1	52	0.1
4+50S 0+25E	64	2	58	0.1
0+50	42	2	48	0.1
4+50S 0+75E	66	2	52	0.1
6+00N 0+25E	14	2	38	0.1
6+00S 0+50E	34	2	44	0.1
6+00S 1+00E	16	1	48	0.1
7+50S 0+25E	26	1	50	0.2
0+50	14	6	74	0.1
0+75	12	2	66	0.1
1+00	16	2	82	0.1
1+25	18	1	46	0.1
1+50	16	1	68	0.1
7+50S 1+75E	118	1	58	0.1
7+50S 0+00W	20	2	46	0.1
0+25	50	2	44	0.1
0+50	34	1	44	0.1
0+75	136	2	136	0.1
1+00	40	1	66	0.1
1+25	44	4	66	0.1
1+50	58	2	59	0.1
1+75	66	1	64	0.1
2+00	58	2	78	0.1
2+25	70	6	104	0.1
2+50	86	2	86	0.1
2+75	94	1	82	0.1
3+00	74	2	84	0.1
3+25	76	1	96	0.1
3+50	72	1	112	0.1
3+75	40	2	110	0.1
4+00	58	4	104	0.1
4+25	44	2	88	0.1
4+50	46	1	90	0.1
4+75	40	2	80	0.1
4+00	26	1	64	0.1
5+25	28	1	66	0.1
5+50	24	2	66	0.1
7+50S 5+75W	20	1	74	0.1

Vertical handwritten signature or stamp on the right margin.



MEMBER
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 ASSOCIATION

CERTIFIED BY: *Harv Biddle*



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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 53456

TO: **Esperanza Explorations Ltd.,**
 1027 - 470 Granville St.,
 Vancouver, B.C.

INVOICE NO. 36336

ATTN: **V6C 1V5**
Robert Holland

RECEIVED **June 10/80**

CC. Kamloops, B.C.

ANALYSED **June 19/80**

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
7+50S 6+00N	24	1	56	0.1
6+25	58	2	54	0.1
6+50	1050	1	38	0.1
6+75	46	1	64	0.1
7+50S 7+00W	52	1	66	0.1
9+00S 0+50E	24	1	34	0.1
0+75	62	1	72	0.1
1+00	54	1	78	0.1
1+25	52	2	138	0.1
1+50	68	1	96	0.1
1+75	40	2	114	0.1
2+00	78	1	56	0.1
9+00S 2+25E	18	1	84	0.1
9+00S 0+00W	82	1	64	0.1
0+25	76	2	62	0.1
0+50	18	4	68	0.1
0+75	18	1	44	0.1
1+00	26	1	46	0.2
1+25	28	1	44	0.1
1+50	34	2	78	0.1
1+75	42	1	90	0.1
2+00	46	2	104	0.1
2+25	48	2	90	0.1
2+50	66	1	82	0.1
2+75	48	1	88	0.1
3+00	54	4	104	0.1
3+25	66	2	100	0.1
3+50	52	2	66	0.1
3+75	68	1	70	0.1
4+00	62	2	94	0.1
4+25	62	2	84	0.1
4+50	32	2	62	0.1
4+75	56	1	86	0.1
5+00	34	1	68	0.1
5+25	24	1	46	0.1
5+50	22	1	50	0.1
5+75	18	1	40	0.1
6+00	22	2	52	0.1
6+25	24	1	50	0.1
9+00S 6+50W	210	1	84	0.1

M.D. 11/19/80



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CERTIFIED BY: *Hart Biddle*



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TO: Esperanza Explorations
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN:

CC: R. Holland

CERTIFICATE NO. 53194
 INVOICE NO. 36096
 RECEIVED May 28/80
 ANALYSED June 9/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
1+50N 0+25E	94	1	20	0.1
0+50	10	1	4	0.1
1+00	16	2	74	0.1
1+25	20	2	106	0.1
1+50E	104	1	22	0.1
1+50N 0+00W	58	1	8	0.2
2L 1+50N 0+25W	52	1	38	0.1
0+50	12	1	30	0.1
0+75	10	2	20	0.2
1+00	8	1	22	0.1
1+25	70	2	30	0.1
1+50	30	1	46	0.2
1+75	16	1	112	0.2
2+00	14	1	30	0.2
2+25	150	2	44	0.1
2+50	22	1	44	0.1
2L 1+50N 2+75W	30	2	76	0.1
2L 1+25N 3+00W	44	1	56	0.1
2L 1+50N 3+25W	48	2	58	0.1
3+50	44	1	50	0.1
3+75	24	2	48	0.1
4+00	34	1	56	0.1
4+25	138	1	44	0.2
4+50	28	1	34	0.1
4+75	106	2	44	0.1
5+00	300	2	46	0.1
5+25	290	1	32	0.1
5+50	220	1	28	0.1
5+75	470	1	24	0.1
6+00	172	1	26	0.1
6+25	76	2	20	0.1
6+50	82	2	28	0.1
6+75	220	1	30	0.1
2L 1+50N 7+00W	375	2	32	0.1
3+00N 0+25E	40	2	94	0.1
0+50	32	2	100	0.1
0+75	445	1	76	0.8
1+25	104	1	42	0.1
3+00N 1+50E	80	2	34	0.1
3+00S 5+25W	60	1	60	0.1



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TO: **Esperanza Explorations**
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN: **CC: R. Holland**

CERTIFICATE NO. 53196
 INVOICE NO. 36096
 RECEIVED **May 28/80**
 ANALYSED **June 9/80**

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
4+50S 1+00W	96	2	38	0.1
1+25	194	4	60	0.1
1+50	90	2	72	0.1
1+75	112	4	84	0.1
2+00	92	4	84	0.2
2+25	78	2	70	0.1
2+50	102	2	70	0.1
2+75	54	1	92	0.1
3+25	74	2	136	0.2
3+50	134	4	132	0.1
3+75	64	2	118	0.1
4+00	56	1	128	0.1
4+25	58	1	154	0.2
4+50	62	1	136	0.2
4+75	46	1	166	0.1
5+00	38	2	110	0.1
5+25	38	1	58	0.1
5+50	62	1	46	0.1
5+75	32	1	52	0.1
6+25	96	1	66	0.1
6+50	170	1	60	0.2
6+75	88	2	58	0.1
4+50S 7+00W	74	1	42	0.1
6+00N 0+50E	18	2	56	0.1
0+75	16	1	66	0.2
1+00	18	2	40	0.1
1+25	26	2	62	0.1
1+50	20	1	56	0.1
1+75	38	2	38	0.1
2+00	80	2	40	0.1
2+25	220	2	220	0.1
2+50	1200	1	38	0.1
3+00	66	2	52	0.1
3+25	64	4	54	0.1
3+50	26	2	16	0.1
3+75E	138	2	38	0.1
0+00W	16	2	54	0.1
Where I Hit 0+00W	12	2	36	0.1
0+25	10	2	38	0.1
6+00N 0+50W	12	2	42	0.1



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TO: **Esperanza Explorations**
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN:

CC: R. Holland

CERTIFICATE NO. **53195**

INVOICE NO. **36096**

RECEIVED **May 28/80**

ANALYSED **June 9/80**

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
3+00S 5+50W	64	1	58	0.2
5+75	52	2	66	0.2
6+00	54	1	70	0.1
6+25	48	1	50	0.1
6+50	98	1	36	0.1
3+00S 6+75W	1600	1	42	0.2
4+50N 0+25E	28	2	74	0.1
0+50	26	1	44	0.1
0+75	22	2	86	0.1
1+50	28	2	72	0.1
2+25	134	1	88	0.1
2+75E	32	2	36	0.1
0+00W	16	2	50	0.1
0+25	14	2	72	0.1
0+50	14	1	68	0.1
0+75	14	2	84	0.1
1+00	12	1	46	0.1
1+25	16	2	72	0.1
1+50	12	1	54	0.1
1+75	12	1	64	0.1
2+00	24	2	84	0.1
2+25	22	10	76	0.1
2+50	22	2	86	0.1
2+75	20	1	50	0.1
3+00	26	2	48	0.2
3+27	66	1	24	0.1
3+50	60	1	26	0.1
3+78	80	2	28	0.1
4+00	40	2	26	0.1
4+25	1100	2	28	0.1
Road 4+50	46	2	32	0.1
Uphill from road 4+56	24	2	46	0.1
4+75	54	2	136	0.1
4+50N 5+00W	280	2	48	0.1
4+50S 1+00E	42	1	100	0.1
1+25E	20	2	106	0.1
0+00W	156	4	162	0.2
0+25	470	2	42	0.1
0+50	116	4	52	0.1
4+50S 0+75W	104	2	76	0.1



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CERTIFICATE OF ANALYSIS

TO: **Esperanza Explorations**
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN: **CC: R. Holland**

CERTIFICATE NO. **53197**
 INVOICE NO. **36096**
 RECEIVED **May 28/80**
 ANALYSED **June 9/80**

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
6+00N 0+74W	16	2	56	0.1
1+00	18	1	66	0.1
1+25	16	1	44	0.1
1+50	12	4	56	0.1
1+75	14	2	80	0.1
2+00	106	1	82	0.1
2+25	20	2	130	0.1
2+50	16	2	74	0.1
2+75	12	2	74	0.1
3+00	24	1	86	0.2
3+25	14	2	40	0.1
3+45	42	1	42	0.1
3+75	40	2	72	0.1
4+00	34	1	46	0.1
4+25	44	1	38	0.1
4+50	44	2	42	0.1
4+75	38	2	24	0.1
4+96	10	2	54	0.1
5+25	18	2	66	0.1
5+50	14	1	62	0.2
5+75	660	1	40	0.4
6+00	880	2	36	0.1
6+25	142	1	102	0.1
6+50	174	1	48	0.1
6+75	88	2	60	0.1
6+00N 7+00W	130	2	48	0.1
6+00S 0+25E	116	2	36	0.1
0+75E	20	1	38	0.1
0+00W	98	2	54	0.1
0+25	98	2	54	0.1
0+50	160	2	36	0.1
0+75	70	2	46	0.1
1+00	54	4	38	0.1
1+25	66	2	48	0.2
1+50	68	4	64	0.1
1+75	56	2	90	0.1
2+00	88	2	80	0.1
2+25	140	2	78	0.1
2+50	94	1	44	0.1
2+75	106	1	86	0.1
6+00S 3+00W	38	2	94	0.1



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CERTIFIED BY:

Harold Biddle



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TO: **Esperanza Explorations**
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN:

CC: R. Holland

CERTIFICATE NO. 53198
 INVOICE NO. 36096
 RECEIVED May 28/80
 ANALYSED June 9/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
6+00S 3+25W	50	2	90	0.1
3+50	52	2	190	0.1
3+75	80	1	88	0.1
4+00	48	2	80	0.1
4+25	42	2	94	0.1
4+50	34	2	76	0.1
4+75	48	2	88	0.1
5+00	410	1	72	0.1
5+25	24	2	64	0.1
5+50	32	2	78	0.1
5+75	46	1	54	0.2
6+00	58	2	64	0.1
6+25	122	1	32	0.1
6+50	1050	1	34	0.1
6+75	2400	1	48	1.0
6+00S 7+00W	1850	1	62	0.4
7+50N 0+25E	20	2	56	0.1
0+50	26	2	72	0.1
0+75	30	1	36	0.1
1+00	28	2	110	0.1
1+25	20	2	34	0.1
1+50	50	2	74	0.1
1+78	230	1	42	0.1
2+00	1150	1	26	0.1
2+25	42	1	56	0.1
2+50	46	1	58	1.0
2+75	40	1	60	0.1
3+00	22	2	108	0.2
3+25	14	1	44	0.1
3+50	32	1	48	0.1
3+75	34	1	40	0.1
4+00	32	1	40	0.1
4+25	34	1	48	0.1
4+50	42	1	46	0.1
4+75	36	1	46	0.1
5+00E	32	2	46	0.1
0+02W	12	1	34	0.1
0+25	10	2	36	0.1
0+50	12	2	32	0.1
7+50N 0+75W	14	2	50	0.1



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CERTIFICATE OF ANALYSIS

TO: Esperanza Explorations
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN:

CC: R. Holland

CERTIFICATE NO. 53199
 INVOICE NO. 36096
 RECEIVED May 28/80
 ANALYSED June 9/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
7+50N 1+00W	12	1	56	0.1
1+27	14	1	58	0.1
1+50	38	1	48	0.1
1+75	230	2	36	0.1
2+00	44	1	36	0.1
2+25	28	1	40	0.1
2+50	48	2	88	0.1
2+80	38	1	96	0.1
3+00	20	2	38	0.1
3+25	54	2	72	0.1
3+50	102	1	64	0.1
3+75	104	1	34	0.1
4+00	275	2	42	0.1
4+25	18	1	26	0.1
4+50	8	2	22	0.1
4+75	8	4	36	0.1
5+00A	20	2	48	0.1
5+00B	30	2	56	0.1
5+25	24	2	30	0.1
5+50	34	2	32	0.1
5+75	10	2	30	0.1
6+00	10	1	36	0.1
6+25	16	2	56	0.1
6+50	12	1	30	0.1
6+75	100	1	28	0.1
7+50N 7+00W	70	2	24	0.1
9+00N 0+25E	26	1	88	0.1
0+50	64	4	48	0.1
0+75	16	2	38	0.1
1+00	18	2	74	0.1
1+25	16	4	46	0.1
1+50	120	1	76	0.1
2+00	94	2	58	0.1
2+25	62	4	46	0.1
2+50	36	1	66	0.1
2+75	46	1	72	0.2
3+00	38	1	58	0.1
3+25	44	1	44	0.1
3+50	58	1	52	0.1
9+00N 3+75E	52	2	52	0.1



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY:

Hart Biddle



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Esperanza Explorations
 1027 - 470 Granville St.
 Vancouver, B.C.
 V6C 1V5

ATTN: CC: R. Holland

CERTIFICATE NO. 53200
 INVOICE NO. 36096
 RECEIVED May 28/80
 ANALYSED June 9/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag
9+00N 4+00E	36	2	56	0.1
4+25	40	2	56	0.2
4+50	40	4	64	0.2
4+75	38	1	54	0.1
5+00E	24	1	56	0.1
0+00W	24	1	56	0.1
0+25	92	2	192	0.1
0+50	14	2	50	0.1
0+75	28	1	90	0.1
1+00	70	1	116	0.2
1+25	24	1	82	0.2
1+75A	24	4	128	0.1
1+75B	14	2	38	0.1
2+00	56	2	30	0.1
2+25	24	1	74	0.1
2+50	12	1	66	0.1
2+75	20	2	60	0.1
3+00	28	2	38	0.2
3+25	84	1	54	0.1
3+50	50	2	38	0.1
3+75	126	1	52	0.1
4+00	200	2	102	0.1
4+25	56	1	42	0.1
4+50	42	2	44	0.1
4+75A	22	2	36	0.1
4+75B	12	2	36	0.2
5+25	8	2	28	0.2
5+50	14	2	52	0.1
5+75	12	2	48	0.1
6+00	10	1	36	0.1
6+25	8	1	28	0.1
6+50	10	1	22	0.1
6+75	8	1	34	0.2
9+00N 7+00W	36	1	30	0.1
10+50N 0+25E	66	1	255	0.1
0+50	14	1	48	0.1
0+75	14	2	74	0.1
1+00	12	1	70	0.1
1+25	20	2	74	0.1
10+50N 1+50E	12	2	34	0.1



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212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 04-352597

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CERTIFICATE OF ANALYSIS

TO: Esperanza Explorations
 1027 - 470 Granville St.
 Vancouver, B.C.
 ATTN: V6C 1V5

CERTIFICATE NO. 53201
 INVOICE NO. 36096
 RECEIVED May 28/80
 ANALYSED June 9/80

CC: R. Holland

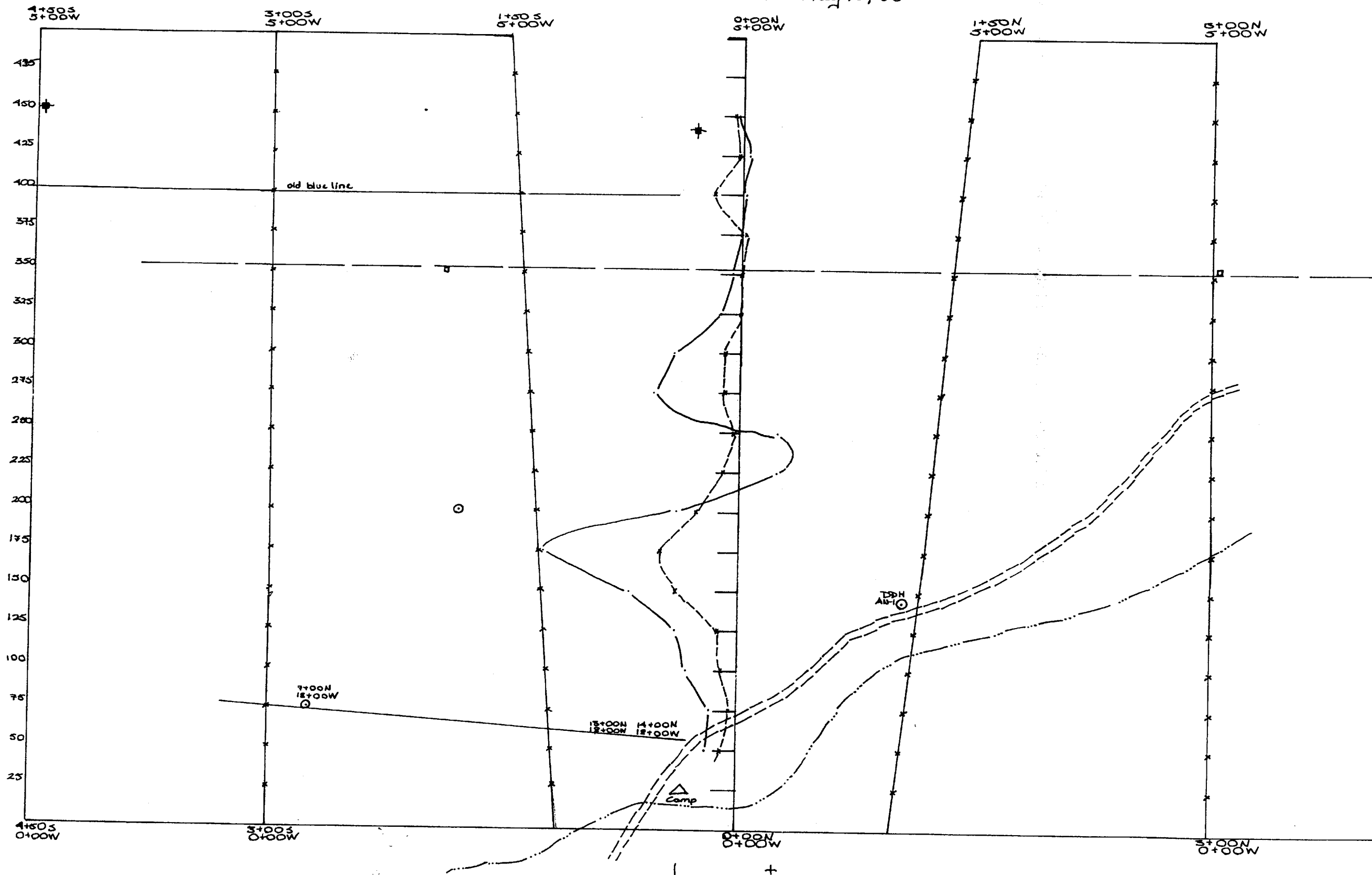
SAMPLE NO. :	PPM	PPM	PPM	PPM
	Cu	Pb	Zn	Ag
10+50W 1+75E	52	1	64	0.1
2+00	64	1	52	0.1
2+25	22	1	64	0.1
2+50	118	1	42	0.1
2+75	168	1	52	0.1
3+00	30	2	42	0.1
3+25	66	1	54	0.1
3+50	44	2	44	0.1
3+75	42	2	56	0.1
4+00	70	1	48	0.1
4+25	42	1	62	0.1
4+50	32	2	38	0.1
4+75	32	2	44	0.1
5+00E	38	2	44	0.1
0+00W	82	2	600	0.1
0+25	20	2	450	0.1
0+50	18	2	60	0.1
0+75	18	1	42	0.1
1+00	14	1	44	0.1
1+25	12	1	28	0.1
1+50	32	2	38	0.1
1+75	36	1	48	0.1
2+00	32	1	64	0.1
2+25	22	2	62	0.1
2+50	18	2	44	0.1
2+75	16	1	56	0.1
3+00	24	1	50	0.1
3+25	136	1	76	0.1
3+50	56	2	80	0.1
3+75	64	1	110	0.1
4+00	14	2	34	0.1
4+25	18	2	34	0.1
4+50	12	1	44	0.1
4+75	10	2	28	0.1
5+00	10	2	30	0.1
5+25	10	2	20	0.1
5+50	8	2	24	0.1
5+75	10	2	28	0.1
6+00	10	1	32	0.1
10+50N 6+25W	8	1	26	0.1



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ANDERSON PROPERTY May 18/80



Scale:
 1 square = 5.0 meters
 Line spacing at 150.0 m
 Sample spacing at 25.0 m
 Coil spacing at 100.0 m
 EM M 1830 Hz
 L 390 Hz

Legend
 △ Campsite
 --- Road
 Creek
 — EM Line @ 1830 Hz
 -x- EM Line @ 390 Hz